

RECEIVED

JAN 06 2003

TECH CENTER 1600/2900



ENTERED

 #28 RAW Seq list
 1600
 dhan 2/6/03

RAW SEQUENCE LISTING

DATE: 01/02/2003

PATENT APPLICATION: US/09/327,750F

TIME: 08:47:22

Input Set : A:\EP.txt

Output Set: N:\CRF4\01022003\I327750F.raw

3 <110> APPLICANT: Sato, Taka-Aki

5 <120> TITLE OF INVENTION: GENE ENCODING NADE, P75NTR-ASSOCIATED CELL DEATH EXECUTOR
AND USES

6 THEREOF

8 <130> FILE REFERENCE: 0575/59131

10 <140> CURRENT APPLICATION NUMBER: 09/327,750F

11 <141> CURRENT FILING DATE: 1999-06-07

13 <160> NUMBER OF SEQ ID NOS: 45

15 <170> SOFTWARE: PatentIn version 3.1

17 <210> SEQ ID NO: 1

18 <211> LENGTH: 36

19 <212> TYPE: DNA

20 <213> ORGANISM: Mouse

22 <400> SEQUENCE: 1

23 aattgtctac gcatccttat gggggagctg tctaac 36

26 <210> SEQ ID NO: 2

27 <211> LENGTH: 12

28 <212> TYPE: PRT

29 <213> ORGANISM: Mouse

31 <400> SEQUENCE: 2

33 Asn Cys Leu Arg Ile Leu Met Gly Glu Leu Ser Asn

34 1 5 10

37 <210> SEQ ID NO: 3

38 <211> LENGTH: 30

39 <212> TYPE: DNA

40 <213> ORGANISM: Artificial Sequence

42 <220> FEATURE:

43 <223> OTHER INFORMATION: Mouse Nade DNA

45 <400> SEQUENCE: 3

46 ctagctagca tcatgggtgag caagggcgag 30

49 <210> SEQ ID NO: 4

50 <211> LENGTH: 28

51 <212> TYPE: DNA

52 <213> ORGANISM: Artificial Sequence

54 <220> FEATURE:

55 <223> OTHER INFORMATION: Mouse Nade DNA

57 <400> SEQUENCE: 4

58 ccgctcgagt cttgtacagc tcgtccat 28

61 <210> SEQ ID NO: 5

62 <211> LENGTH: 29

63 <212> TYPE: DNA

64 <213> ORGANISM: Artificial Sequence

66 <220> FEATURE:

67 <223> OTHER INFORMATION: Mouse Nade DNA

RAW SEQUENCE LISTING

DATE: 01/02/2003

PATENT APPLICATION: US/09/327,750F

TIME: 08:47:22

Input Set : A:\EP.txt

Output Set: N:\CRF4\01022003\I327750F.raw

```

69 <400> SEQUENCE: 5
70 atcctcgagc gatcatggcc aatgtccac 29
73 <210> SEQ ID NO: 6
74 <211> LENGTH: 27
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Mouse Nade DNA
81 <400> SEQUENCE: 6
82 atcggatcct ctcagctgta gctccct 27
85 <210> SEQ ID NO: 7
86 <211> LENGTH: 27
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Mouse Nade DNA
93 <400> SEQUENCE: 7
94 atcggatccg atctctctca tctcctc 27
97 <210> SEQ ID NO: 8
98 <211> LENGTH: 27
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Mouse Nade DNA
105 <400> SEQUENCE: 8
106 aaagcttagg gaggcacagc tgagaaa 27
109 <210> SEQ ID NO: 9
110 <211> LENGTH: 27
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Mouse Nade DNA
117 <400> SEQUENCE: 9
118 tttctcagct gtgcctccct aagcttt 27
121 <210> SEQ ID NO: 10
122 <211> LENGTH: 26
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Mouse Nade DNA
129 <400> SEQUENCE: 10
130 atccggagaa aggctaggga ggcaca 26
133 <210> SEQ ID NO: 11
134 <211> LENGTH: 26
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: Mouse Nade DNA
141 <400> SEQUENCE: 11

```

RAW SEQUENCE LISTING

DATE: 01/02/2003

PATENT APPLICATION: US/09/327,750F

TIME: 08:47:22

Input Set : A:\EP.txt

Output Set: N:\CRF4\01022003\I327750F.raw

142 tgtgcctccc tagcctttct ccggat 26

145 <210> SEQ ID NO: 12

146 <211> LENGTH: 124

147 <212> TYPE: PRT

148 <213> ORGANISM: Mouse

150 <400> SEQUENCE: 12

152 Met Ala Asn Val His Gln Glu Asn Glu Glu Met Glu Gln Pro Leu Gln

153 1 5 10 15

156 Asn Gly Glu Glu Asp Arg Pro Val Gly Gly Gly Glu Gly His Gln Pro

157 20 25 30

160 Ala Gly Asn Asn Asn Asn Asn Asn His Asn His Asn His Asn His His

161 35 40 45

164 Arg Arg Gly Gln Ala Arg Arg Leu Ala Pro Asn Phe Arg Trp Ala Ile

165 50 55 60

168 Pro Asn Arg Gln Met Asn Asp Gly Leu Gly Gly Asp Gly Asp Asp Met

169 65 70 75 80

172 Glu Met Phe Met Glu Glu Met Arg Glu Ile Arg Arg Lys Leu Arg Glu

173 85 90 95

176 Leu Gln Leu Arg Asn Cys Leu Arg Ile Leu Met Gly Glu Leu Ser Asn

177 100 105 110

180 His His Asp His His Asp Glu Phe Cys Leu Met Pro

181 115 120

184 <210> SEQ ID NO: 13

185 <211> LENGTH: 111

186 <212> TYPE: PRT

187 <213> ORGANISM: Human

189 <400> SEQUENCE: 13

191 Met Ala Asn Ile His Gln Glu Asn Glu Glu Met Glu Gln Pro Met Gln

192 1 5 10 15

195 Asn Gly Glu Glu Asp Arg Pro Leu Gly Gly Gly Glu Gly His Gln Pro

196 20 25 30

199 Ala Gly Asn Arg Arg Gly Gln Ala Arg Arg Leu Ala Pro Asn Phe Arg

200 35 40 45

203 Trp Ala Ile Pro Asn Arg Gln Ile Asn Asp Gly Met Gly Gly Asp Gly

204 50 55 60

207 Asp Asp Met Glu Ile Phe Met Glu Glu Met Arg Glu Ile Arg Arg Lys

208 65 70 75 80

211 Leu Arg Glu Leu Gln Leu Arg Asn Cys Leu Arg Ile Leu Met Gly Glu

212 85 90 95

215 Leu Ser Asn His His Asp His His Asp Glu Phe Cys Leu Met Pro

216 100 105 110

219 <210> SEQ ID NO: 14

220 <211> LENGTH: 13

221 <212> TYPE: PRT

222 <213> ORGANISM: Mouse

224 <400> SEQUENCE: 14

226 Leu Thr Met Lys Glu Val Glu Glu Leu Glu Leu Leu Thr

227 1 5 10

230 <210> SEQ ID NO: 15

RAW SEQUENCE LISTING

DATE: 01/02/2003

PATENT APPLICATION: US/09/327,750F

TIME: 08:47:22

Input Set : A:\EP.txt

Output Set: N:\CRF4\01022003\I327750F.raw

```

231 <211> LENGTH: 13
232 <212> TYPE: PRT
233 <213> ORGANISM: Mouse
235 <400> SEQUENCE: 15
237 Ala Leu Gln Lys Lys Leu Glu Glu Leu Glu Leu Asp Glu
238 1          5          10
241 <210> SEQ ID NO: 16
242 <211> LENGTH: 10
243 <212> TYPE: PRT
244 <213> ORGANISM: Mouse
246 <400> SEQUENCE: 16
248 Leu Ala Leu Lys Leu Ala Gly Leu Asp Ile
249 1          5          10
252 <210> SEQ ID NO: 17
253 <211> LENGTH: 9
254 <212> TYPE: PRT
255 <213> ORGANISM: Mouse
257 <400> SEQUENCE: 17
259 Leu Pro Val Leu Glu Asn Leu Thr Leu
260 1          5
263 <210> SEQ ID NO: 18
264 <211> LENGTH: 9
265 <212> TYPE: PRT
266 <213> ORGANISM: Mouse
268 <400> SEQUENCE: 18
270 Leu Pro Pro Leu Glu Arg Leu Thr Leu
271 1          5
274 <210> SEQ ID NO: 19
275 <211> LENGTH: 12
276 <212> TYPE: PRT
277 <213> ORGANISM: Mouse
279 <400> SEQUENCE: 19
281 Lys Val Ala Glu Lys Leu Glu Ala Leu Ser Val Arg
282 1          5          10
285 <210> SEQ ID NO: 20
286 <211> LENGTH: 13
287 <212> TYPE: PRT
288 <213> ORGANISM: Mouse
290 <400> SEQUENCE: 20
292 Glu Val Asp Gln Leu Arg Leu Glu Arg Leu Gln Ile Asp
293 1          5          10
296 <210> SEQ ID NO: 21
297 <211> LENGTH: 8
298 <212> TYPE: PRT
299 <213> ORGANISM: Mouse
301 <400> SEQUENCE: 21
303 Leu Pro Leu Gly Lys Leu Thr Leu
304 1          5
307 <210> SEQ ID NO: 22

```

RAW SEQUENCE LISTING

DATE: 01/02/2003

PATENT APPLICATION: US/09/327,750F

TIME: 08:47:22

Input Set : A:\EP.txt

Output Set: N:\CRF4\01022003\I327750F.raw

```

308 <211> LENGTH: 14
309 <212> TYPE: PRT
310 <213> ORGANISM: Human
312 <400> SEQUENCE: 22
314 Ala Leu Ser Ala Gln Leu Tyr Ser Ser Leu Ser Leu Asp Ser
315 1 5 10
318 <210> SEQ ID NO: 23
319 <211> LENGTH: 13
320 <212> TYPE: PRT
321 <213> ORGANISM: Mouse
323 <400> SEQUENCE: 23
325 Arg Glu Ile Arg Arg Lys Leu Arg Glu Leu Gln Leu Arg
326 1 5 10
329 <210> SEQ ID NO: 24
330 <211> LENGTH: 13
331 <212> TYPE: PRT
332 <213> ORGANISM: Mouse
334 <400> SEQUENCE: 24
336 Arg Glu Ile Arg Arg Lys Leu Arg Glu Leu Gln Leu Arg
337 1 5 10
340 <210> SEQ ID NO: 25
341 <211> LENGTH: 27
342 <212> TYPE: PRT
343 <213> ORGANISM: Mouse
345 <400> SEQUENCE: 25
347 Arg Glu Ile Arg Arg Lys Leu Arg Glu Leu Gln Leu Arg Asn Cys Leu
348 1 5 10 15
351 Arg Ile Leu Met Gly Glu Leu Ser Asn His His
352 20 25
355 <210> SEQ ID NO: 26
356 <211> LENGTH: 27
357 <212> TYPE: PRT
358 <213> ORGANISM: Human
360 <400> SEQUENCE: 26
362 Arg Glu Ile Arg Arg Lys Leu Arg Glu Leu Gln Leu Arg Asn Cys Leu
363 1 5 10 15
366 Arg Ile Leu Met Gly Glu Leu Ser Asn His His
367 20 25
370 <210> SEQ ID NO: 27
371 <211> LENGTH: 8
372 <212> TYPE: PRT
373 <213> ORGANISM: Mouse
375 <400> SEQUENCE: 27
377 Arg Leu Leu Asn Arg Leu Leu Asn
378 1 5
381 <210> SEQ ID NO: 28
382 <211> LENGTH: 700
383 <212> TYPE: DNA
384 <213> ORGANISM: Mouse

```

VERIFICATION SUMMARY

PATENT APPLICATION: **US/09/327,750F**

DATE: 01/02/2003

TIME: 08:47:23

Input Set : **A:\EP.txt**

Output Set: **N:\CRF4\01022003\I327750F.raw**